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Notice of Allowability	Application No.	Applicant(s)	
	10/733,039	CHANDRA ET AL.	
	Examiner	Art Unit	
	Nicholas R. Taylor	2141	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *amendment filed 9/19/07*.

2. ☒ The allowed claim(s) is/are *1-21*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
   a) ☐ All b) ☐ Some* c) ☐ None of the:
      1. ☐ Certified copies of the priority documents have been received.
      2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
      3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
   (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date *11/15/07* .
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

JASON CARDONE
SUPERVISORY PATENT EXAMINER

DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Thomas J. Frame on November 15th, 2007.

2. The claims should be amended to read as follows:

1. (Amended) An apparatus for reducing information propagating in a network environment, comprising: a first network element operable to glean routing information being communicated by a second network element, the routing information being stored such that the routing information may be accessed, wherein the first and second network elements may cooperate in an adjacency protocol that allows for a data exchange between the first and second network elements, and wherein the second network element does not communicate the routing information gleaned by the first network element during the data exchange associated with the adjacency protocol, whereby the first network element, when receiving link state advertisements from non-

adjacent network elements, stores the link state advertisements, and whereby when the first network element detects a new neighbor and starts a database descriptors (DBD) exchange process, the first network element will not include the link state database advertisements in the DBD exchange process, the first network element comparing one or more DBD entries from the neighbor against its normal and temporary link ~~statedatabases~~ state databases to determine which link state advertisements it needs to request.

8. (Amended) A method for reducing information propagating in a network environment, comprising: gleaning routing information being communicated by a first network element, the routing information being stored such that it may be accessed; and executing an adjacency protocol between the first network element and a second network element that allows for a data exchange between the first and second network elements, wherein the first network element does not communicate the routing information gleaned by the second network element during the data exchange associated with the adjacency protocol, whereby the first network element, when receiving link state advertisements from non-adjacent network elements, stores the link state advertisements, and whereby when the first network element detects a new neighbor and starts a database descriptors (DBD) exchange process, the first network element will not include the link state database advertisements in the DBD exchange process, the first network element comparing one or more DBD entries from the

neighbor against its normal and temporary link ~~statedatabases~~ state databases to determine which link state advertisements it needs to request.

13. (Amended) A system for reducing information propagating in a network environment, comprising:

means for gleaning routing information being communicated by a first network element, the routing information being stored such that it may be accessed; and

means for executing an adjacency protocol between the first network element and a second network element that allows for a data exchange between the first and second network elements, wherein the first network element does not communicate the routing information gleaned by the second network element during the data exchange associated with the adjacency protocol, whereby the first network element, when receiving link state advertisements from non-adjacent network elements, stores the link state advertisements, and whereby when the first network element detects a new neighbor and starts a database descriptors (DBD) exchange process, the first network element will not include the link state database advertisements in the DBD exchange process, the first network element comparing one or more DBD entries from the neighbor against its normal and temporary link ~~statedatabases~~ state databases to determine which link state advertisements it needs to request.

18. (Amended) Software for reducing information propagating in a network environment, the software being embodied in a computer readable medium and comprising computer code such that when executed is operable to:

glean routing information being communicated by a first network element, the routing information being stored such that it may be accessed; and

execute an adjacency protocol between the first network element and a second network element that allows for a data exchange between the first and second network elements, wherein the first network element does not communicate the routing information gleaned by the second network element during the data exchange associated with the adjacency protocol, whereby the first network element, when receiving link state advertisements from non-adjacent network elements, stores the link state advertisements, and whereby when the first network element detects a new neighbor and starts a database descriptors (DBD) exchange process, the first network element will not include the link state database advertisements in the DBD exchange process, the first network element comparing one or more DBD entries from the neighbor against its normal and temporary link ~~statedatabases~~ state databases to determine which link state advertisements it needs to request.

Allowable Subject Matter

3. Claims 1-21 are allowed. The rejections under 35 U.S.C. §101 as recited in the previous office action mailed July 12th, 2007, are withdrawn.

4. The following is an Examiner's Statement of Reasons for Allowance:

In interpreting the claims, in light of the specification and the applicant's amendments filed September 19th, 2007, the Examiner finds the claimed invention to be patentably distinct from the prior art of record. The prior art does not teach all of the limitations of the independent claims in combination with the other elements presented.

The prior art of record teaches generating node state advertisements that identify network links about which routing nodes desire information on (Stewart, abstract). The nodes accomplish this by forwarding link state advertisements to neighboring nodes along the relevant paths (Stewart, e.g., col. 4, lines 24-63 and fig. 1).

However, as per claims 1-21, the prior art fails to teach a first network element gleaning routing information being communicated by a second network element via an adjacency protocol that allows for a data exchange between the two, wherein the second element does not communicate the information gleaned by the first element during the data exchange associated with the adjacency protocol, wherein link state advertisements from non-adjacent elements are stored, and further wherein when a new neighbor is detected a database descriptor exchange process occurs that causes a descriptor comparison process to determine which link state advertisements it needs to request. These limitations are not taught when taken in the environment and context of the amended claim language.

5. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nicholas Taylor whose telephone number is (571) 272-3889. The examiner can normally be reached on Monday-Friday, 8:00am to 5:30pm, with alternating Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rupal Dharia can be reached on (571) 272-3880. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

NT 11-15-07

Nicholas Taylor
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